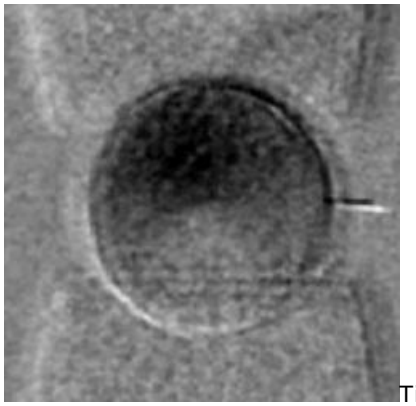
Published on *Center for X-Ray Optics* (http://www-cxro.lbl.gov)

Time Resolved X-ray Microscopy Reveals the Strength of Spin Torque



Time-resolved high resolution magnetic soft X-ray microscopy of current induced resonant vortex core motion in a 1.5micrometer small permalloy ($Fe_{80}Ni_{20}$) disk allows the unambiguous determination of the spin polarization of current. This quantity characterizes the strength of spin torque effects. See a video that illustrates the vortex core motion. This work has been described by S. Kasai et al in Phys. Rev. Lett. 101 237203 (2008).